

WHAT IS CLAIMED IS:

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1. An image processing apparatus comprising:
detecting means for detecting, in an entered image
signal, a high-luminance portion that exceeds a
5 predetermined value;
generating means for generating a control signal,
which has a prescribed waveform at the periphery of the
high-luminance portion of the image signal, in
dependence upon the detection made by said detecting
10 means;
separating means for separating a color signal from
the image signal; and
suppression means for suppressing the separated
color signal by the control signal.
15 2. The apparatus according to claim 1, further
comprising:
first storage means for storing an output from said
detecting means, wherein said generating means generates
the control signal in dependence upon an output from
20 said first storage means; and
second storage means for storing this control
signal, wherein said suppression means suppresses the
color signal using the control signal read out of said
second storage means.
25 3. The apparatus according to claim 1, wherein the
image signal is a signal of an image captured by image

stored high-luminance portion; and

a second storage step of storing this control signal, wherein said suppression step suppresses the color signal upon reading out the stored control signal.

5 7. The method according to claim 5, wherein the image signal is a signal of an image captured by image sensing means, and said detecting step detects a saturated portion of said image sensing means as the high-luminance portion.

8. The method according to claim 5, wherein the control signal has a waveform for obtaining a suppression characteristic in which gain of the color signal is made zero in the high-luminance portion and suppression is reduced with distance from the high-luminance portion toward the periphery thereof and is eliminated at a location beyond a predetermined distance from the high-luminance portion.

9. A computer-readable storage medium storing a program for executing:

20 detection processing for detecting, in an entered
image signal, a high-luminance portion that exceeds a
predetermined value;

generation processing for generating a control
signal, which has a prescribed waveform at the periphery
25 of the sensed high-luminance portion of the image
signal;

separation processing for separating a color signal from the image signal; and

suppression processing for suppressing the separated color signal by the control signal.

- 5 10. The storage medium according to claim 9, said storage medium further storing:

a program for executing processing for storing the detected high-luminance portion, wherein said generating processing generates the control signal in dependence
10 upon this stored high-luminance portion; and

a program for executing processing for storing this control signal, wherein said suppression processing suppresses the color signal upon reading out the stored control signal.

- 15 11. The storage medium according to claim 9, wherein the image signal is a signal of an image captured by image sensing means, and said detecting processing detects a saturated portion of said image sensing means as the high-luminance portion.

- 20 12. The storage medium according to claim 9, wherein the control signal has a waveform for obtaining a suppression characteristic in which gain of the color signal is made zero in the high-luminance portion and suppression is reduced with distance from the high-
25 luminance portion toward the periphery thereof and is eliminated at a location beyond a predetermined distance

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from the high-luminance portion.

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